Nov 29, 2021

Department of Applied Mathematics and Statistics
3400 North Charles Street
Baltimore, MD 21218

Dear Faculty Search Committee,

I am writing to apply for the position of Assistant Professor of Statistics at Johns Hopkins University.

I am currently a postdoctoral researcher with Prof. Tamara Broderick at the Massachusetts Institute of Technology's Laboratory for Information and Decision Systems, where I study the robustness of frequentist and Bayesian statistical procedures, both theoretically and with applications including single-cell RNA sequencing analysis, development economics, and a MURI-grant funded study of ocean dynamics. I received my PhD in statistics from the University of California at Berkeley under the supervision of Prof. Michael Jordan, Prof. Jon McAuliffe, and Prof. Tamara Broderick. Additionally, I have earned an MSc with distinction in econometrics from the London School of Economics and BS degrees in mathematics and engineering mechanics with honors from the University of Illinois at Urbana–Champaign. My work history includes four years as an engineer at Google and two years as a Peace Corps volunteer in Kazakhstan.

I believe that the mission of the Mathematical Institute for Data Science (MINDS) aligns closely with my research in statistical methodology for large-scale, complex problems, as well as with my strong history of interdisciplinary data science in both industry and academia. My tenure as a fellow in the Berkeley Institute for Data Science, my years of experience as an engineer at Google, and my many research collaborations with domain experts from both the physical and social sciences all demonstrate my capacity to advance the MINDS institute's mission of developing fundamental principles to guide modern data science.

I appreciate your consideration. Sincerely,

Dr. Ryan J. Giordano

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1